



Department/School: Surgery

27 March 2019

CURRICULUM VITAE

NAME:

RUBENS, Fraser, Full Professor

DEGREES AND CREDENTIALS:

Degrees:

1994 * Surgery Cardiothoracic Surgery, University of Ottawa
1992 * M.Sc Pathology, McMaster University
1990 * Surgery General Surgery, University of Ottawa
1986 * Internship, University of Ottawa
1985 MD Medicine, Queen's University

Credentials:

Fellow of the American College of Surgeons, American College of Surgeons, from July 2012

Description: 03178977

Certification - Cardiothoracic Surgery, Royal College of Physicians and Surgeons, from September 1994

FLEX, Medical Board of New York State, from January 1993

Certification - General Surgery, Royal College of Physicians and Surgeons, from November 1990

FRCSC, Royal College of Physicians and Surgeons of Canada, from November 1990

General license, College of Physicians and Surgeons of Ontario, from July 1986

Description: 55799

Clinical Research Training in International Conference on Harmonization -Good Clinical Practice (ICH-GCP) guidelines, CIHR, from March 2015

Description: ICH-GCP Certification

Certification, Harvard Medical School, Massachusetts, from July 2014

Description: Global Clinical Scholars Research Training Program: Clinical Trial Design and Biostatistics

Continuous Professional Development

Certification, Biostatistics, epidemiology, clinical trial design, Global Clinical Scholars Research Training Program, Harvard University, Massachusetts, United States, July 2014 - June 2015

Cardiac Surgery Fellow, Adult Cardiac Surgery, Cardiac Surgery, University of Ottawa Heart Institute at the Ottawa Civic Hospital, Canada, Ontario, July 1994 - December 1994

Postgraduate research fellow, Cardiovascular Sciences, Pathology, McMaster University Medical Centre, Canada, Ontario, July 1990 - June 1992

EMPLOYMENT HISTORY:**Academic Work Experience:**

- 2006 – Staff Surgeon, Professor, Surgery, University of Ottawa, Canada, Ontario
- 2006 – 2016 Program Director, Residency and Fellowship Program, Professor, Surgery, University of Ottawa Heart Institute (Canada)
- 2001 – 2006 Associate Professor, Associate Professor, Surgery, University of Ottawa, Canada, Ontario
- 1995 – 2001 Assistant Professor, Assistant Professor, Surgery, University of Ottawa, Canada, Ontario

Non-academic Work Experience:

- 2018 – Section Chair, Cardiac Surgery, Royal College of Physicians and Surgeons of Canada, Canada, Ontario
- 2016 – Chair-Elect, Cardiac Surgery, , Royal College of Physicians and Surgeons of Canada, Canada, Ontario
- 1995 – Director - Pulmonary Thromboendarterectomy Program, Ottawa Heart Institute
- 2016 – 2017 Patient Experience Director, The Ottawa Hospital, Canada, Ontario
- 2011 – 2016 Vice-Chair- Cardiac Surgery Section, Royal College of Physicians and Surgeons of Canada, Canada, Ontario
- 2006 – 2012 Section Chair - Cardiac Surgery, Ontario Medical Association
- 2006 – 2006 Cardiac Surgery Representative, Cardiac Surgery Consensus Panel
- 2002 – 2015 Chair - Cardiac Surgery Mortality Committee, University of Ottawa Heart Institute at the Ottawa Civic Hospital (Canada)

University Appointments:

- 1995 – Primary, Medicine, Surgery, Cardiac Surgery

Hospital Privileges:

- 1995 – Primary, The Ottawa Hospital, Surgery, Cardiac Surgery

HONOURS:

- 2015 Faculty of Medicine Award of Education Advancement and Innovation, University of Ottawa, Canada, Ontario
- 2015 Excellence in Teaching, Annual award to the winner of the best surgical teacher of the resident staff, University of Ottawa
- 2015 Program Director of the Year, Awarded to 2 recipients in Canada from all postgraduate residency programs to recognize a program director who has demonstrated a commitment to enhancing residency education as evidenced by innovation and impact beyond his/her program, Royal College of Physicians and Surgeons of Canada

- 2011 UOHIAMO Academic Award - Postgraduate Teaching, University of Ottawa Heart Institute at the Ottawa Civic Hospital
- 2010 Excellence in Teaching, Annual award to the winner of the best surgical teacher of the resident staff, University of Ottawa
- 2010 PAIRO Teaching award (nominated), Professional Association of Interns and Residents of Ontario
- 2009 Award of Excellence and Innovation in Postgraduate Medical Education-Honourable Mention, University of Ottawa, Canada, Ontario
- 2005 Finalist James Hogg Award for Clinical or Population Health Investigators, CIHR
- 1996 Career Scientist Award, Ontario Ministry of Health
- 1995 Career Scientist Award, Ontario Ministry of Health
- 1995 Clinical Traineeship Award, Royal College of Physicians and Surgeons of Canada
- 1994 Nomination CSCI/MRC Resident's Research Award, University Ottawa
- 1994 PSI Foundation Award, Department of Surgery, University of Ottawa
- 1994 W.E. Collins Prize-Best Overall Paper-Collin's Research Day, University of Ottawa
- 1994 R5, R6, R7 Resident Award-Collin's Research Day, University of Ottawa
- 1993 PSI Foundation Award, Department of Surgery, University of Ottawa
- 1991 Research Fellowship, Canadian Heart and Stroke
- 1991 Research Fellowship, Medical Research Council
- 1985 David Edward Mundell Prize for Orthopedics, Queen's University
- 1985 Hannah Washburn Polson Prize, Medicine, Surgery and Obstetrics, Queen's University
- 1985 Dr. & Mrs. Sydney P. Schiff Award-Greatest proficiency in Surgery, Queen's University
- 1985 Austin-Roberts Award for Surgery, Queen's University
- 1985 Department of Surgery Gold Medal for highest standing in Surgery, Queen's University
- 1982 Adiel Steacy Memorial Scholarship, Queen's University
- 1982 Adiel Steacy Memorial Scholarship, Queen's University
- 1982 Adiel Steacy Memorial Scholarship, Queen's University
- 1982 Briarly Browne Scholarship, Anglican Church of Canada
- 1980 Queen's Matriculation Scholarship, Queen's University
- 1979 Ontario Scholar, Ministry of Education
- 1979 George Maybee Memorial Award, KCVI
- 1979 Class of 1948 Award, KCVI

SCHOLARLY and PROFESSIONAL ACTIVITIES:

Event Administration

- 2014 – Leadership Training, Executive Coaching, Michael Morin (MDM Consulting) Supported by the Ottawa Hospital, I have been undergoing executive leadership coaching with Mr. Michael Morin, author of Leading Matters and executive coach to over 480 clients in Health Care and other industries. This process has involved extensive leadership testing with validated assessment tools (Myers Briggs, TAIS)
- 2012 – 2012 Leadership Training, Crucial Confrontations, VitalSmarts (course)
- 2011 – 2011 Leadership Training, Influencer, VitalSmarts (course)
- 2011 – 2011 Leadership Training, Crucial Conversations, VitalSmarts (course)
- 2006 – 2006 Leadership Training, 6th Annual Ottawa Academic Health Sciences Leadership Program

Editorial Activities

Université d'Ottawa | University of Ottawa

- 2016 – Editorial Board Member, Journal of Thoracic and Cardiovascular Surgery
- 2004 – Associate Editor, Perfusion
- 2012 – 2015 Editorial Advisory Board, Scandanavian Journal of Surgery
- 2009 – 2011 Editorial Board Member, Case Reports in Medicine

Journal Review Activities

- 2006 – Reviewer, Journal of Thoracic and Cardiovascular Surgery
- 2005 – Reviewer, Perfusion
- 2015 – 2015 Reviewer, Heart and Vessels
- 2014 – 2015 Reviewer, Scandinavian Journal of Surgery
- 2011 – 2011 Reviewer, Case Reports in Medicine
- 2011 – 2011 Reviewer, International Journal of Cardiology
- 2008 – 2014 Reviewer, Circulation
- 2007 – 2013 Reviewer, European Journal of Cardiothoracic Surgery
- 2007 – 2007 Reviewer, Journal of Cardiac Surgery
- 2005 – 2010 Reviewer, Blood
- 2003 – 2015 Reviewer, Canadian Journal of Cardiology
- 2001 – 2001 Reviewer, Canadian Respiriology Journal
- 2000 – 2012 Reviewer, Annals of Thoracic Surgery

Research Funding Application Assessment Activities

- 2016 – 2016 External Reviewer, Project Grant Review, Canadian Institutes of Health Research, Ontario
Number of Applications Assessed: 8
- 2006 – 2006 Committee Member, Clinical Trials - Grant 167651, Canadian Institutes of Health Research, Ontario
- 2005 – 2005 Committee Member, Clinical trials, Heart and Stroke Foundation of Canada, Ontario
- 2005 – 2005 Committee Member, Randomized Controlled Trials, Canadian Institutes of Health Research, Ontario
- 2004 – 2004 Committee Member, Operating Review Grant, Physicians Services Incorporated
- 2003 – 2003 Committee Member, Research Grant, AIRE
- 2003 – 2003 Committee Member, Clinical Trials, Heart and Stroke Foundation of Canada, Ontario
- 2002 – 2002 Committee Member, Clinical Trials, Heart and Stroke Foundation of Canada, Ontario
- 2001 – 2001 Committee Member, Clinical Trials, Heart and Stroke Foundation of Canada, Ontario
- 2000 – 2000 Committee Member, Clinical Trials, Heart and Stroke Foundation of Canada, Ontario

MEMBERSHIPS

Committee Memberships

- 2016 – Committee Member, *Patient Experience Committee*, The Ottawa Hospital
- 2015 – Committee Member, *American Association of Thoracic Surgery*
- 2015 – Committee Member, *Provincial representative (Ontario)*, Canadian Society of Cardiac Surgery
- 2015 – Committee Member, *Faculty Wellness Program Committee*, The Ottawa Hospital
- 2013 – Committee Member, *Heart/Lung Working Group*, Ministry of Health Ontario
- 2011 – Committee Member, *Vice-Chair - Section of Cardiac Surgery*, Royal College of Physicians and Surgeons
- 2007 – Committee Member, *The Society of Thoracic Surgeons*

- 2004 – Committee Member, *Perfusion Journal*, Edward Arnold Publishers, Perfusion Journal, Sage Publishers
- 1995 – Committee Member, *Ottawa Heart Institute Research Corporation*
- 2011 – 2012 Committee Member, *Section Chair, Cardiac Surgery*, Ontario Medical Association
- 2009 – 2016 Committee Member, *Surgical Foundations Committee*, University of Ottawa
- 2008 – 2011 Committee Member, *Tariff and ViceChair, Cardiac Surgery*, Ontario Medical Association
- 2007 – 2016 Committee Member, *Postgraduate Education Committee*, University of Ottawa
- 2007 – 2009 Committee Member, *Expert Advisory Committee on Blood Regulation*, Health Canada
- 2006 – 2006 Committee Member, *Cardiac Care Network Consensus Panel on the Future of Cardiac Surgery*
- 2005 – 2016 Committee Member, *Program Directors' Committee*, University of Ottawa
- 2005 – 2016 Committee Member, *Residency Training Program, Cardiac Surgery*, University of Ottawa
- 2005 – 2013 Committee Member, *Ottawa Heart Institute, Research Sub-committee*
- 2005 – 2006 Committee Member, *Clinical trials, CIHR*
- 2005 – 2005 Committee Member, *Heart and Stroke Foundation of Canada*
- 2005 – 2005 Committee Member, *Ottawa Hospital Transfusion Committee*
- 2004 – 2004 Committee Member, *Ottawa Hospital Transfusion Committee*
- 2004 – 2004 Committee Member, *PSI Foundation of Canada*
- 2003 – 2003 Committee Member, *Aire Foundation of Canada*
- 2002 – 2015 Chair, *Chairman Cardiac Surgery Mortality Committee*
- 2002 – 2003 Chair, *Ottawa Heart Institute Hospital Transfusion Committee*
- 2001 – 2015 Committee Member, *Quality Assurance Committee*, University of Ottawa Heart Institute at the Ottawa Civic Hospital
- 2000 – 2002 Committee Member, *Clinical trials, Heart and Stroke Foundation of Canada*
- 2000 – 2002 Committee Member, *Heart and Stroke Foundation of Canada*
- 1998 – 2001 Committee Member, *Ottawa Heart Institute Hospital Transfusion Committee*
- 1997 – 2002 Committee Member, *Research Ethics Committee*
- 1996 – 2000 Committee Member, *Ontario Association of Cardiac Surgeons*
- 1996 – 1998 Committee Member, *Ottawa Heart Institute Research Corporation, Finance Sub-Committee*

SUPERVISIONS:**Summary:****Completed**

Principal Supervisor	1 Post-doctorate
	1 Research Associate
Co-Supervisor	1 Bachelor's Honours

In Progress

Principal Supervisor	4 Research Associate
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Supervision detail:

Lindy Luo (Research Associate), University of Ottawa Faculty of Medicine - Summer studentship *Determining factors that impact surgical patient experience at the Ottawa Hospital*, Principal Supervisor, May 2016 - August 2016

Yen-Yen Gee (Research Associate), University of Ottawa *Assessment of LV mass regression after aortic pericardial bioprosthesis implantation*, Principal Supervisor, May 2015 - June 2016

Heather McDonald (Research Associate), Summer Studentship Program on Innovation in Undergraduate Medical Education *Development of a non-clinical elective in preoperative management for fourth year Canadian medical students*, Principal Supervisor, May 2015 - August 2015

Matthieu Lemay (Bachelor’s Honours), University of Ottawa Faculty of Engineering *Tension-limiting device for temporary pacemaker extraction*, Co-Supervisor, January 2013 - June 2014

Nada Gawad (Research Associate), University of Ottawa *Clinical outcomes after bilateral internal thoracic artery grafting*, Principal Supervisor, January 2009 - June 2009

Tao He MD (Post-doctorate), University of Ottawa *Clinical Observership*, Principal Supervisor, January 2006 - December 2007

Dr. Marian Kotrec (Research Associate), University of Ottawa Division of Cardiac Surgery *Clinical outcomes after pulmonary thromboendarterectomy*, Principal Supervisor, January 2005 - July 2006

LIFETIME FUNDING:

- Total amount of funding received \$4,681,885.00
 As Principal Investigator \$1,720,722.00

EXTERNAL RESEARCH FUNDING:

Date(s)	Source	Type	Investigator	Amount
2015/1 - 2018/1	Canadian Institutes of Health Research (CIHR) <u>Title:</u> Reassessment of Anti-Platelet therapy using InDividualized Strategies - Ticagrelor in Patients with Acute Coronary Syndromes Treated by Coronary Artery BypassGraft Surgery - The RAPID-TITRATE CABG study <u>Program:</u> Clinical trials	<u>Type:</u> Grant <u>Purpose:</u> Operating	<u>My Role:</u> Co-investigator <u>Principal Investigator:</u> Dr. Derek So	Funding Total: \$699,000
2011/1 - 2014/1	Canadian Institutes of Health Research (CIHR)	<u>Type:</u> Grant	<u>My Role:</u> Collaborator	Funding Total: \$356,466

	<p><u>Title:</u> Transfusion requirements in cardiac surgery II (TRICSII)-Transfusion requirements in cardiac surgery II (TRICSII)</p> <p><u>Program:</u> Clinical Trials</p>	<p><u>Purpose:</u> Operating</p>		
2010/7 - 2011/6	<p>Canadian Institutes of Health Research (CIHR)</p> <p><u>Title:</u> Plasma utilization following cardiac surgery-Plasma utilization following cardiac surgery</p> <p><u>Program:</u> Clinical Trials</p>	<p><u>Type:</u> Grant</p> <p><u>Purpose:</u> Operating</p>	<p><u>My Role:</u> Collaborator</p>	<p>Funding Total: \$224,808</p>
2006/7 - 2007/6	<p>CIHR</p> <p><u>Title:</u> Post-operative plasma transfusions in cardiac surgery (POPTICS): A multicentre prospective observational study</p> <p><u>Program:</u> Operating</p>	<p><u>Type:</u> Grant</p> <p><u>Purpose:</u> Operating</p>	<p><u>My Role:</u> Co-applicant</p>	<p>Funding Total: \$102,537</p>
2006/1 - 2009/1	<p>Heart and Stroke Foundation of Ontario (The) (HSFO)</p> <p><u>Title:</u> Unraveling the black box of adverse events in cardiac surgery</p> <p><u>Program:</u> Operating Grant</p>	<p><u>Type:</u> Grant</p> <p><u>Purpose:</u> Operating</p>	<p><u>My Role:</u> Collaborator</p>	<p>Funding Total: \$271,050</p>
2005/9 - 2006/9	<p>Heart and Stroke Foundation of Canada</p> <p><u>Title:</u> Transfusion reduction and modified ultrafiltration after cardiopulmonary bypass (TRAM) - a pilot feasibility trial (Multicenter RCT)</p> <p><u>Program:</u></p>	<p><u>Type:</u> Grant</p> <p><u>Purpose:</u> Operating</p>	<p><u>My Role:</u> Principal Investigator</p>	<p>Funding Total: \$122,941</p>

	Cardiovascular			
2004/10 - 2006/10	<p>CIHR</p> <p><u>Title:</u> Clinical relevance of cardiomy suction in cardiopulmonary bypass - (Multicenter RCT) - a renewal</p> <p><u>Program:</u> Cardiovascular</p>	<p><u>Type:</u> Grant</p> <p><u>Purpose:</u> Operating</p>	<p><u>My Role:</u> Principal Investigator</p>	<p>Funding Total: \$359,355</p>
2004/10 - 2004/12	<p>Ottawa Heart Institute</p> <p><u>Title:</u> Clinical relevance of cardiomy blood in cardiopulmonary bypass</p> <p><u>Program:</u> Clinical Trials</p>	<p><u>Type:</u> Grant</p> <p><u>Purpose:</u> Operating</p>	<p><u>My Role:</u> Principal Investigator</p>	<p>Funding Total: \$60,000</p>
2004/1 - 2004/12	<p>Physician Services Incorporated</p> <p><u>Title:</u> Skeletonized versus non-skeletonized internal thoracic artery harvest in coronary artery bypass</p> <p><u>Program:</u> Clinical Trials</p>	<p><u>Type:</u> Grant</p> <p><u>Purpose:</u> Operating</p>	<p><u>My Role:</u> Principal Investigator</p>	<p>Funding Total: \$17,000</p>
2003/3 - 2005/3	<p>Heart and Stroke Foundation of Canada</p> <p><u>Title:</u> The role of cardiopulmonary bypass in brain injury during cardiac surgery: feasibility of a magnetic resonance study</p> <p><u>Program:</u> Clinical Trials</p>	<p><u>Type:</u> Grant</p> <p><u>Purpose:</u> Operating</p>	<p><u>My Role:</u> Collaborator</p>	<p>Funding Total: \$107,286</p>
2003/1 - 2005/12	<p>Heart and Stroke Foundation of Canada</p> <p><u>Title:</u> Endothelial modulation with L-arginine in patients undergoing angiogenic therapy</p> <p><u>Program:</u> Cardiovascular</p>	<p><u>Type:</u> Grant</p> <p><u>Purpose:</u> Operating</p>	<p><u>My Role:</u> Collaborator</p>	<p>Funding Total: \$149,314</p>
2003/1 -	CIHR	<u>Type:</u>	<u>My Role:</u>	Funding Total:

2004/12	<p><u>Title:</u> The effect of brain temperature on neuropsychological outcome following cardiopulmonary bypass</p> <p><u>Program:</u> Clinical Trials</p>	<p>Grant</p> <p><u>Purpose:</u> Operating</p>	<p>Principal Investigator</p>	<p>\$156,071</p>
2002/1 - 2002/12	<p>CIHR-Industry</p> <p><u>Title:</u> Identification of therapeutic strategies to prevent systemic inflammatory response syndrome and improve outcome after cardiopulmonary bypass</p> <p><u>Program:</u> Clinical Trials</p>	<p><u>Type:</u> Grant</p> <p><u>Purpose:</u> Operating</p>	<p><u>My Role:</u> Principal Investigator</p>	<p>Funding Total: \$85,130</p>
2001/4 - 2004/3	<p>CIHR</p> <p><u>Title:</u> Clinical relevance of cardiomy suction in cardiopulmonary bypass</p> <p><u>Program:</u> Clinical Trials</p>	<p><u>Type:</u> Grant</p> <p><u>Purpose:</u> Operating</p>	<p><u>My Role:</u> Principal Investigator</p>	<p>Funding Total: \$560,000</p>
1999/1 - 2002/12	<p>MRC</p> <p><u>Title:</u> A randomized controlled trial for evaluation of a decision aid regarding predonation of autologous blood by patients undergoing elective open heart surgery</p> <p><u>Program:</u> Clinical Trials</p>	<p><u>Type:</u> Grant</p> <p><u>Purpose:</u> Operating</p>	<p><u>My Role:</u> Co-applicant</p>	<p>Funding Total: \$224,028</p>
1999/1 - 2001/1	<p>MRC</p> <p><u>Title:</u> Multi-centre radial artery patency study</p> <p><u>Program:</u> Clinical Trials</p>	<p><u>Type:</u> Grant</p> <p><u>Purpose:</u> Operating</p>	<p><u>My Role:</u> Collaborator</p>	<p>Funding Total: \$186,674</p>
1998/1 - 2000/12	<p>Bayer Blood Partnership Fund</p>	<p><u>Type:</u> Grant</p>	<p><u>My Role:</u> Co-investigator</p>	<p>Funding Total: \$40,000</p>

	<p><u>Title:</u> Does anemia delay the recovery from surgery in older patients?</p> <p><u>Program:</u> Clinical Trials</p>	<p><u>Purpose:</u> Operating</p>		
1998/1 - 1998/12	<p>Medtronics Canada</p> <p><u>Title:</u> Platelet-rich plasmapheresis in cardiac surgery: a meta-analysis of the effect on transfusion requirements</p> <p><u>Program:</u> Industry</p>	<p><u>Type:</u> Grant</p> <p><u>Purpose:</u> Operating</p>	<p><u>My Role:</u> Principal Investigator</p>	<p>Funding Total: \$7,500</p>
1997/1 - 1997/12	<p>Ottawa Heart Institute Overhead Fund</p> <p><u>Title:</u> Phenotypic regulation of endothelial cell NOS and caveolin-1 in saphenous vein and internal mammary bypass grafts</p> <p><u>Program:</u> Cardiovascular</p>	<p><u>Type:</u> Grant</p> <p><u>Purpose:</u> Operating</p>	<p><u>My Role:</u> Principal Investigator</p>	<p>Funding Total: \$20,000</p>
1997/1 - 1997/12	<p>Ortho-McNeil Inc.</p> <p><u>Title:</u> A pilot study to assess preoperative autologous donation versus intraoperative acute normovolemic hemodilution in cardiac surgery</p> <p><u>Program:</u> Cardiovascular</p>	<p><u>Type:</u> Grant</p> <p><u>Purpose:</u> Operating</p>	<p><u>My Role:</u> Principal Investigator</p>	<p>Funding Total: \$30,000</p>
1995/1 - 2000/12	<p>Merck-Frost</p> <p><u>Title:</u> Hematologic and lipid-related risk factor assessment post-coronary artery bypass grafting</p> <p><u>Program:</u> Cardiovascular</p>	<p><u>Type:</u> Grant</p> <p><u>Purpose:</u> Operating</p>	<p><u>My Role:</u> Co-investigator</p>	<p>Funding Total: \$600,000</p>
1995/1 - 1996/12	<p>COBE Cardiovascular Inc.</p> <p><u>Title:</u></p>	<p><u>Type:</u> Grant</p>	<p><u>My Role:</u> Principal Investigator</p>	<p>Funding Total: \$70,323</p>

	Clinical evaluation of COBE biocompatible extracorporeal circuits in cardiopulmonary bypass <u>Program:</u> Cardiovascular	<u>Purpose:</u> Operating		
1995/1 - 1995/12	J.P. Bickell Foundation <u>Title:</u> Genetically engineered vascular endothelial cells for the coating of prosthetic surfaces <u>Program:</u> Cardiovascular	<u>Type:</u> Grant <u>Purpose:</u> Operating	<u>My Role:</u> Principal Investigator	Funding Total: \$25,036
1995/1 - 1995/12	Ottawa Heart Institute Overhead Fund <u>Title:</u> Genetically engineered vascular endothelial cells for the coating of prosthetic surfaces <u>Program:</u> Cardiovascular	<u>Type:</u> Grant <u>Purpose:</u> Operating	<u>My Role:</u> Principal Investigator	Funding Total: \$19,000
1994/1 - 1994/12	Kiwanis Medical Foundation <u>Title:</u> Platelet flow cytometry in cardiac surgery <u>Program:</u> Cardiovascular	<u>Type:</u> Grant <u>Purpose:</u> Operating	<u>My Role:</u> Principal Investigator	Funding Total: \$1,000
1994/1 - 1994/12	Sanofi-Winthrop Canada <u>Title:</u> In vitro and in vivo effects on platelet function of amrinone and milrinone <u>Program:</u> Cardiovascular	<u>Type:</u> Grant <u>Purpose:</u> Operating	<u>My Role:</u> Principal Investigator	Funding Total: \$8,000
1994/1 - 1994/12	Pharmacia Canada <u>Title:</u> Platelet effects of tranexamic acid in pediatric cardiac surgery	<u>Type:</u> Grant <u>Purpose:</u> Operating	<u>My Role:</u> Principal Investigator	Funding Total: \$3,000

	<u>Program:</u> Cardiovascular			
1994/1 - 1994/12	Miles-Cutter Canada <u>Title:</u> Platelet flow cytometry in cardiac surgery <u>Program:</u> Industry	<u>Type:</u> Grant <u>Purpose:</u> Operating	<u>My Role:</u> Principal Investigator	Funding Total: \$2,000
1993/1 - 1993/12	Physicians Services Incorporated <u>Title:</u> Changes in platelet factor XII expression and plasma factor XIII during cardiopulmonary bypass <u>Program:</u> Industry	<u>Type:</u> Grant <u>Purpose:</u> Operating	<u>My Role:</u> Principal Investigator	Funding Total: \$12,000

CONTRIBUTIONS:

Life-time summary count according to the following categories:

Refereed Journal Articles	189
Conference Publications	25
Non-Refereed Chapters In Books	10
Non-Refereed Journal Articles	1
Intellectual Properties	4
Other Contributions	237

PUBLICATIONS:

Non-Refereed Chapters In Books

10. (2017). Frontal lobotomy to modify behaviour. In Hirsh, J (Ed.), *Teaching Clinical Research Methodology by Example* (pp.). China: People's Medical Publishing House.
9. Toeg H, Rubens FD. (2015). Chapter 59: Cardiopulmonary bypass technique and pathophysiology. In F.W. Sellke, P.J. del Nido, S.J. Swanson (Eds.), *Sabiston & Spencer: Surgery of the Chest* (9th ed.) (pp.). Philadelphia, PA, United States: Elsevier Science.
Research Type: Clinical Research
8. Tao H, Rubens FD. (2011). Minimally-invasive cardiac surgery: impact on blood loss and transfusion. In Hardy JF, Maniatis A, Van der Linden P eds (Eds.), *Alternatives to Blood Transfusion in Transfusion Medicine* (pp. 391-407). United Kingdom: Blackwell Publishing.
Research Type: Clinical Research

7. Ressler L, Rubens FD. (2011). Adjunctive Strategies to Impact Blood Transfusion in Cardiac Surgery. In Hardy JF, Maniatis A, Van der Linden P eds (Eds.), *Alternatives to Blood Transfusion in Transfusion Medicine* (pp. 408-420). United Kingdom: Blackwell Publishing.
Research Type: Clinical Research
6. Rubens FD. (2011). Cardiopulmonary bypass - technique and pathophysiology. In F.W. Sellke, P.J. del Nido, S.J. Swanson (Eds.), *Sabiston & Spencer: Surgery of the Chest* (8 ed.) (pp.). United States: Elsevier Science.
Research Type: Clinical Research
5. Ressler L, Rubens FD. (2010). Cardiopulmonary Bypass Techniques. In Sellke F, Ruel M eds (Ed.), *In "Atlas of Cardiac Surgical Techniques* (pp.). United States: Elsevier.
Research Type: Clinical Research
4. Rubens FD. (2005). Cardiopulmonary bypass - technique and pathophysiology. In F.W. Sellke, P.J. del Nido, S.J. Swanson (Eds.), *Sabiston & Spencer: Surgery of the Chest* (7 ed.) (pp.). United States: Elsevier Science.
Research Type: Clinical Research
3. Rubens FD. (2004). Cardiopulmonary bypass technology transfer: musings of a cardiac surgeon. In Editors H. Sheardon, S.L. Cooper. VSP (Ed.), *Cells, Proteins and Materials - Festschrift in honor of the 65th birthday of Dr. John Brash* (pp.). Netherlands: International Science Publishers.
Research Type: Clinical Research
2. Rubens FD, Mesana TG. (2002). Membrane Oxygenators for Cardiac Surgery. In R. Guindon. John Libbey (Ed.), *L'homme repare: success et limites de l'implantologie. Montrouge, France* (pp.). France: Eurotext.
Research Type: Clinical Research
1. Rubens FD. (1998). Cardiac Surgery Problems. In R.C. Karmy-Jones, H.M. Horst (Ed.), *Self-assessment colour review of cardiothoracic critical care* (pp.). United Kingdom: Manson Publishing Ltd.
Research Type: Clinical Research

Refereed Journal Articles

189. Luo L, Forster A, Gartke K, Trickett J, Rubens FD. (2019). Developing a strategy for the improvement of the patient experience in a Canadian academic department of surgery. *Journal Patient Experience*. (Accepted)
Research Type: Clinical Research
188. Ngu JMC, Rubens FD. (2019). Words are the source of misunderstandings. *JTCVS*, 157(1), 1574.
187. Mazer CD, Whitlock RP, Fergusson DA, Belley-Cote E, Connolly K, Khanykin B, Gregory AJ, de Médicis É, Carrier FM, McGuinness S, Young PJ, Byrne K, Villar JC, Royse A, Grocott HP, Seeberger MD, Mehta C, Lellouche F, Hare GMT, Painter TW, Femes S, Syed S, Bagshaw SM, Hwang NC, Royse C, Hall J, Dai D, Mistry N, Thorpe K, Verma S, Jüni P, Shehata N; TRICS Investigators and Perioperative Anesthesia Clinical Trials Group. (2018). Six-Month Outcomes after Restrictive or Liberal Transfusion for Cardiac Surgery. *New Eng J Med*, 379(13), 1224-1233.
Research Type: Clinical Research
Collaborator
186. Sun LY, Tu JV, Coutinho T, Turek M, Rubens FD, McDonnell L, Tullock H, Eddeen AB, Mielniczuk LM. (2018). Sex differences in outcomes of heart failure in an ambulatory, population-based cohort from 2009 to 2013. *CMAJ*, 190(28), E848-854.
Research Type: Clinical Research
185. Rubens FD. (2018). Life imitates art far more than art imitates life. *JTCVS*, 156(1), 64-65.

Research Type: Clinical Research

184. Rubens FD, Rothwell DM, Al Zayadi A, Sundaresan S, Ramsay T, Forster A. (2018). Impact of patient characteristics on the Canadian Patient Experience Survey-Inpatient Care: cross-sectional analysis of an inpatient care survey from an academic tertiary care centre. *BMJ Open*, 8, 1-11. doi:<https://bmjopen.bmj.com/content/8/8/e021575.full>
- Research Type: Clinical Research
183. Al Atassi T, Rubens FD. (2018). Observed to expected mortality as the new gold standard - All that glitters is not gold. *JTCVS. (In Press)*
182. Vo P, Rubens FD. (2018). Look before you leap. Response to: "Experience does matter for pulmonary endarterectomy surgery. *JTCVS. (In Press)*
- Research Type: Clinical Research
181. Jabagi H, Boodwani M, Tran D, Sun L, Wells G, Rubens FD. (2018). The effect of preoperative anemia on patients undergoing cardiac surgery: a propensity-matched analysis. *Seminars in Thoracic and Cardiovascular Surgery. (In Press)*
- Research Type: Clinical Research
180. Gawad N, McDonald H, Raiche I, Rubens F. (2018). MedsonCall Pager App: A pilot project for practicing safe clinical decision-making. *Cureus*, 10(8), e3205.
- Research Type: Educational Research
179. Kimmaliardjuk DM, Dennie C, Dickie S, Belanger EC, Rubens F. (2018). Acute management of infected chronic thromboembolic disease. *Ann Thorac Surg*, 106(4), e167-e169.
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230. Workshops and/or Round Tables. (2018). "Effects of aortic pericardial valve choice on left ventricular mass regression". National / International Mexican Society of Cardiac Surgery, Cancun, Mexico.
Research Type: Clinical Research
229. Lecture. (2018). "Why are heart teams important for the future of cardiovascular care in Canada". National / International 2018 CSCS Spring Meeting, Banff, Canada.
Research Type: Clinical Research
228. Guo M., Ohle R., Hebert G, Rubens FD. Abstracts and/or Papers Read. (2018). "Impact of direct access to cardiac surgical services on the time to repair in Acute Type A aortic dissection". Local Collin's Surgical Day - University of Ottawa, Ottawa.
Research Type: Clinical Research
Senior Contributing Investigator
227. Juanda N, Ngu J, Gawad N, LaBelle K, Rubens FD. Abstracts and/or Papers Read. (2018). "Development of a sternotomy simulation model and scoring system for cardiac surgery training". Local Collin's Surgical Day - Department of Surgery University of Ottawa, Ottawa.

Research Type: Educational Research

Senior Responsible Investigator

226. Jabagi H, Chong AY, So D, Glineur D, Rubens FD. Abstracts and/or Papers Read. (2018). "Native coronary disease progression post coronary artery bypass grafting". Local Collins Surgical Day - Department of Surgery University of Ottawa, Ottawa.
Research Type: Clinical Research
Senior Responsible Investigator
225. Ngu JMC, Tran DT, Rubens FD. Abstracts and/or Papers Read. (2018). "Effect of sex on incidence of postoperative atrial fibrillation in cardiac surgery patients". Local Collins Surgical Day Department of Surgery University of Ottawa.
Research Type: Clinical Research
Senior Responsible Investigator
224. JMC Ngu, TD Tran, FD Rubens. Abstracts and/or Papers Read. (2018). "Effect of Sex on Incidence of Post-Operative Atrial Fibrillation in Cardiac Surgery Patients". National / International Canadian Women's Heart Health Summit, Ottawa, Canada.
Research Type: Clinical Research
223. Jabagi H, Boodhwani M, Tran DT, Sun L, Wells G, Rubens FD. Abstracts and/or Papers Read. (2018). "The effect of preoperative anemia on patients undergoing cardiac surgery: a single centre propensity matched analysis". National / International American Association of Thoracic Surgery, San Diego, United States.
Research Type: Clinical Research
Senior Responsible Investigator
222. Ngu JMC, Guo MH, Glineur D, Tran D, Rubens FD. Abstracts and/or Papers Read. (2017). "The Balance of Short-Term and Long-Term Outcomes of Bilateral Internal Thoracic Artery Skeletonization in Coronary Artery Bypass Surgery: A Propensity-Matched Cohort Study". National / International European Association of Cardiothoracic Surgery, Vienna, Austria.
Research Type: Clinical Research
Senior Responsible Investigator
221. Workshops and/or Round Tables. (2017). "Calling in the cavalry...mechanical and surgical therapy for acute PE". National / International SPC Symposium: New Frontiers in Pulmonary Embolism CCS 2017, Vancouver, Canada.
Research Type: Public Health Research
220. Workshops and/or Round Tables. (2017). "Cardiac Surgery Residency Education. Insights on CBD". National / International Competency based medical education: from theory to practice, Vancouver, Canada.
Research Type: Educational Research
219. Lecture. (2017). "Effects of pericardial valve choice in LV mass regression after AVR". Local UBC Combined Cardiology Cardiac Surgery Grand Rounds, Vancouver, Canada.
Research Type: Clinical Research
218. Lecture. (2017). "Effects of aortic pericardial valve choice on LV mass regression". Local Grand rounds, Melbourne, Australia.
Research Type: Clinical Research
217. Lecture. (2017). "Effects of aortic pericardial valve choice on LV mass regression". Local Cardiac Surgery Grand Rounds, Brisbane, Australia.
Research Type: Clinical Research

216. Lecture. (2017). "Effects of aortic pericardial valve choice on LV mass regression". Local Symposium, Sydney, Australia.
Research Type: Clinical Research
215. (2017). "Effects of aortic pericardial valve choice on left ventricular mass regression". Local St. Michaels Hospital Cardiac Surgery Rounds June 9, 2017, Toronto, Canada.
Research Type: Clinical Research
214. (2017). "Patient Experience - The Ottawa Hospital Model". Local Canadian Institute for Health Information June 9, 2017, Toronto, Canada.
Research Type: Clinical Research
213. McDonald H, Gawad N, Raiche I, Rubens F. Abstracts and/or Papers Read. (2017). "MedsOnCall (MOC) Pager App: The development of a simulated pager program". National / International The Canadian Conference on Medical Education May 2017, Winnipeg, Canada.
Research Type: Educational Research
Senior responsible investigator
212. Ngu J, Guo M, Glineur D, Rubens FD. Abstracts and/or Papers Read. (2017). "The balance of short- and long-term outcomes of bilateral internal thoracic artery skeletonization in CABG: A propensity-matched cohort study". Local Collins Surgical Day May 2017, Ottawa, Canada.
Research Type: Clinical Research
Senior Responsible Investigator
211. Jabagi H, Tran D, Wells G, Boodhwani M, Rubens FD. Abstracts and/or Papers Read. (2017). "Is Mild Preoperative Anemia a Risk Factor for Increased Morbidity and Mortality in Cardiac Surgery: a Retrospective Cohort Study". Local Collins Surgical Day May 2017, Ottawa, Canada.
Research Type: Clinical Research
Senior Responsible Investigator
210. (2017). "Effects of aortic pericardial valve choice on left ventricular mass regression". National / International Trifecta GT Valve: AATS Centennial Symposium April 2014, Boston, United States.
Research Type: Clinical Research
209. McDonald H, Gawad N, Raiche I, Rubens F. Abstracts and/or Papers Read. (2017). "The MedsOnCall (MOC) Pager App: Helping students to transition to residents". National / International The Association for Surgical Education Annual Meeting April 2017, San Diego, United States.
Research Type: Educational Research
Senior responsible investigator
208. (2017). "Clinical research to compare two contemporary pericardial aortic valves". National / International Cardiac Surgery Grand Rounds Jan 2017, Washington, United States.
Research Type: Clinical Research
207. (2016). "Clinical research to compare two contemporary pericardial aortic valves". National / International Kaiser-Permanente -Cardiac Surgery Grand Rounds Nov 15, 2016, Los Angeles, United States.
Research Type: Clinical Research
206. (2016). "Clinical research to compare two contemporary pericardial aortic valves". National / International Cedars-Sinai: Cardiac Surgery Grand Rounds Nov 11, 2016, Los Angeles, United States.
Research Type: Clinical Research
205. Drs Guylaine Lefebvre, Chris Feindel, Mac Quantz, Ansar Hassan, Marc Pelletier, John Lee. Workshops and/or Round Tables. (2016). "Competency by Design - The next generation". National / International Canadian Cardiovascular Congress Oct 2016, Montreal, Canada.
Research Type: Educational Research

Chairman of session: Prepared workshop and speakers. Moderated all sessions. Presented introduction and closing remarks. Ran all audience participation polls and prepared questions/polls. Prepared video vignettes for Informed Consent discussion

204. Ribeiro IB, Ngu J, Tardioli K, Folch S, Gill G, Rubens FD. Abstracts and/or Papers Read. (2016). "High fidelity beating heart porcine model for cardiac surgery and cardiopulmonary bypass training". National / International Canadian Cardiovascular Congress Oct 2016, Montreal, Canada.
Research Type: Educational Research
203. Jabagi H, Tran D, Glineur D, Rubens FD. Abstracts and/or Papers Read. (2016). "Is there gender discrimination in coronary revascularization? A single centre retrospective analysis of multiple arterial coronary grafting". National / International Canadian Cardiovascular Congress Oct 22, 2016, Montreal, Canada.
Research Type: Clinical Research
Senior Responsible Investigator
202. Lecture. (2016). "Clinical research to compare two contemporary pericardial aortic valves". National / International Update in Aortic Valve Replacement Oct 2016, Montreal, Canada.
Research Type: Clinical Research
201. Russo JJ, James TE, Ruel M, Dupuis J, Singh K, Goubran D, Malhotra N, Chan V, Chong A, Hibbert B, Tanguay J, Lordkipanidze M, Perrault L, Wells G, Bourke M, Rubens F, So DY. Abstracts and/or Papers Read. (2016). "Ischemic and bleeding outcomes after coronary artery bypass grafting among patients initially treated with a P2Y12 receptor antagonist for acute coronary syndromes - insights on the use of ticagrelor and clopidogrel prior to surgery". National / International Canadian Cardiovascular Congress Oct 2016, Montreal, Canada.
Research Type: Clinical Research
200. Workshops and/or Round Tables. (2016). "Surgical Compassion: Developing motives to change the way we care for patients in the Canadian System". National / International Patient Experience May 2016, Cleveland, United States.
199. (2016). "The cardiac surgeon's role in cardiopulmonary venous thromboembolic disease". National / International Canadian Society of Cardiac Surgeons Mar 2016, Montreal, Canada.
198. (2016). "Cardiac surgery residency education: insight as we enter the era of CBD". National / International Canadian Society of Cardiac Surgeons Mar 5, 2016, Montreal, Canada.
197. Al-Atassi T, Kimmaliardjuk D, Dagenais C, Lam B, Bourke M, Rubens FD. Abstracts and/or Papers Read. (2016). "Atrial fibrillation ablation does not increase operative risk when added to coronary artery bypass grafting and aortic valve replacement". National / International Society of Thoracic Surgeons Jan 25, 2016, Phoenix, Canada.
* Senior author
196. Rubens FD, Chen L, Bourke M. Abstracts and/or Papers Read. (2016). "Assessment of the association of bilateral internal thoracic artery skeletonization and sternal wound infection after coronary artery bypass grafting surgery". National / International Society of Thoracic Surgeons Jan 25, 2016, Phoenix, Canada.
Research Type: Clinical Research
195. (2016). "Advances in Pulmonary Thromboendarterectomy". Local Pulmonary Hypertension Symposium Jan 2016, Ottawa, Canada.
194. (2015). "Advances in Pulmonary Thromboendarterectomy". National / International American College of Chest Physicians Oct 2015, Montreal, Canada.
193. Russo JJ, Malhotra N, Rubens F, Bourke M, Dupuis J, Chan V, Singh K, Ruel M, Hibbert B, Chong A, So D. Abstracts and/or Papers Read. (2015). "Clinical outcomes in acute coronary syndrome patients following

- coronary artery bypass grafting in relation to timing of ticagrelor discontinuation: insights from the capital registry". National / International Canadian Cardiovascular Society Oct 2015, Toronto, Canada.
192. Kimmaliardjuk D, Al-Atassi T, Dagenais C, Bourke M, Lam B, Rubens F. Abstracts and/or Papers Read. (2015). "Should we ablate atrial fibrillation during coronary artery bypass grafting and aortic valve replacement?". National / International Canadian Cardiovascular Society Oct 2015, Toronto, Canada.
Senior Responsible Investigator
191. Rubens F, Rao RV, Chan V, Burwash I. Abstracts and/or Papers Read. (2015). "A matched-pair comparative analysis of the hemodynamics of the Trifecta and Perimount aortic bioprostheses". National / International Canadian Cardiovascular Society Oct 2015, Toronto, Canada.
190. Ngu J, Guo M, Glineur D, Tran D, Rubens FD. Abstracts and/or Papers Read. (2015). "The balance of short- and long-term outcomes of bilateral internal thoracic artery skeletonization in CABG: A propensity-matched cohort study". Local Ottawa Heart Institute Research Day May 2015, Ottawa, Canada.
Research Type: Clinical Research
Senior Responsible Investigator
189. Russo JJ, James TE, Malhotra N, Goubran D, Rubens FD, Bourke M, Dupuis JY, Chan V, Singh K, Ruel MT, So DY. Abstracts and/or Papers Read. (2015). "Clinical outcomes in acute coronary syndrome patients following coronary artery bypass grafting in relation to timing of ticagrelor discontinuation: insights from the capital registry". National / International American Heart Association Apr 2015, United States.
Research Type: Clinical Research
188. (2015). "If we care for our patients, why are we encouraging them to eat unhealthy food?". Local Ottawa Heart Interest Group Jan 2015, Ottawa, Canada.
187. (2015). "The Cardiac Team - Why am I always in the penalty box?". National / International Cardiopulmonary Bypass Review Jan 2015, San Diego, Canada.
186. McDonald H, Gawad N, Rubens FD. (2015). "Development of a fourth year post_CaRMS elective in perioperative management". Local University of Ottawa Jan 2015, Canada.
* Senior author
185. (2015). "Pulmonary thromboendarterectomy: the patient's experience". National / International National Pulmonary Hypertension Society Jan 2015, Montreal, Canada.
184. (2015). "Cardiac Surgery Residency Education. Insights as we enter the era of CBD". Local Ottawa Heart Institute Grand Rounds Jan 2015, Ottawa, Canada.
183. Juanda N, Chan V, Chan R, Rubens FD. (2014). "Catheter-based educational experiences: A Canadian survey of current residents and recent graduates in cardiac surgery". National / International Canadian Cardiovascular Society Oct 2014, Vancouver, Canada.
* Senior author
182. (2014). "Type IV Pulmonary Hypertension". National / International Canadian Cardiovascular Society Oct 2014, Vancouver, Canada.
181. (2014). "The Cardiac Team - Why am I always in the penalty box?". National / International Perfusion Canada Jan 2014, Canada.
180. (2013). "Epidemiology and evaluation of patients with CTEPH". National / International American Heart Association Nov 2013, Dallas, United States.
179. (2013). "Bacterial Endocarditis: A surgeon's perspective". Provincial Cardiology Rounds, Ottawa General Hospital Jan 2013, Ottawa, Canada.
178. (2013). "Informed consent: When the health care worker becomes the patient". Provincial Thunder Bay Regional Hospital Rounds Jan 10, 2013, Thunder Bay, Canada.

177. (2012). "Bacterial Endocarditis: A surgeon's perspective". Provincial Thunder Bay Regional Hospital Grand Rounds Oct 2012, Thunder Bay, Canada.
176. (2012). "The Chameleon in the OR - Adaptation and Change for Surgical Staff". Provincial Thunder Bay Regional Hospital Grand Rounds Jan 2012, Thunder Bay, Canada.
175. (2012). "The Chameleon in the OR - Adaptation and Change in Perfusion". National / International CREF Jan 2012, San Diego, Canada.
174. (2012). "Music and its role in Cardiovascular Medicine". National / International CREF Jan 2012, Canada.
173. Boodhwani M., Rubens FD, Wozny D, Nathan H. Abstracts and/or Papers Read. (2012). "Clinical impact of neurocognitive deficit following cardiac surgery". National / International STS Jan 2012, United States.
172. Ruel M, Grenon J, Boodhwani M, Mielniczuk L, Rubens FD, Haddad H, Lam BK, Davies R, Veinot JP, Lapierre H, Ressler L, Pipe A, Struthers C, Pugliese C, Mesana TG, Hendry PJ, Masters RG. Abstracts and/or Papers Read. (2011). "Results of 461 orthotopic heart transplantations at the University of Ottawa Heart Institute: Follow-up data to 25 years". National / International Canadian Cardiovascular Congress Oct 2011, Canada.
171. (2011). "Music and its role in Cardiovascular Medicine". Provincial Thunder Bay Regional Hospital Grand Rounds Jan 2011, Canada.
170. (2011). "Music and its role in Cardiovascular Medicine". Provincial Ottawa Heart Institute Alumni Rounds Jan 2011, Canada.
169. Elmistekawy E, Chan V, Bourke ME, Dupuis JY, Rubens FD, Mesana TG, Ruel M. Abstracts and/or Papers Read. (2011). "OPCAB does not preserve renal function better than CABG: results of a case-matched study". National / International American Association of Thoracic Surgery Jan 2011, Canada.
168. V. Chan, H. Lapierre, M. Boodhwani, B. Lam, F.D. Rubens, P. Hendry, R. Masters, W. Goldstein, T.G. Mesana, M. Ruel. Abstracts and/or Papers Read. (2010). "Longevity of heart valve bioprostheses according to age at implantation: new compiled age-specific data for patient discussion and decision-making". National / International CCS Oct 2010, Montreal, Canada.
167. B. Lam, P. Hendry, T. Al-Atassi, F.D. Rubens, T.G. Mesana. Abstracts and/or Papers Read. (2010). "Surgical ablation of atrial fibrillation associated with aortic valve and coronary artery disease: is it worth it? (Poster)". National / International CCS 2010, Montreal, Canada.
166. R.A. Rodriguez, H. Lapierre, M. Boodhwani, K. Lam, M. Forgie, F.D. Rubens, P. Hendry, R. Masters, W. Goldstein, P. Bedard, T. Mesana, M. Ruel. (2010). "Effects of warfarin and aspirin versus aspirin alone on cerebral microembolization and platelet function after bioprosthetic aortic valve replacement (Poster)". National / International CCS 2010, Montreal, Canada.
165. N. Gawad, M. Boodhwani, V. Chan, TG Mesana, M. Ruel, FD Rubens. Abstracts and/or Papers Read. (2010). "Unforeseen modifiable risk factors: the role of preoperative anemia in sternal wound infection after bilateral internal thoracic artery harvest (Poster)". National / International CCS 2010, Montreal, Canada.
* Senior Responsible Investigator
164. (2010). "Water, water everywhere, nor any drop to drink". Provincial Thunder Bay Regional Hospital - Grand Rounds Oct 2010, Thunder Bay, Canada.
163. (2010). "Water, water everywhere, nor any drop to drink". Provincial Ontario Society of Clinical Perfusion Jan 2010, Kingston, Canada.
162. (2009). "The blind leading the blind: Clinical trials in cardiac surgery". Local University of Ottawa Surgery Grand Rounds Jan 2009, Ottawa, Canada.
161. (2009). "Transfusion in Cardiac Surgery". Provincial Thunder Bay Regional Hospital Grand Rounds Jan 2009, Thunder Bay, Canada.

160. (2009). "Outcomes after pulmonary thromboendarterectomy". Local Ottawa Heart Institute Grand Rounds Jan 2009, Ottawa, Canada.
159. (2009). "The blind leading the blind: Clinical trials in cardiac surgery". National / International Queens University Surgery Grand Rounds Jan 2009, Kingston, Canada.
158. (2009). "Multiple arterial grafting; An update". National / International Thunder Bay Regional Hospital Grand Rounds Jan 2009, Thunder Bay, Canada.
157. (2008). "Outcomes after pulmonary thromboendarterectomy - the Canadian experience". National / International Ontario Thoracic Society Jan 2008, Toronto, Canada.
156. Price J, Tee R, Lam B, Hendry P, Green M, Rubens FD. Abstracts and/or Papers Read. (2008). "Current use of prophylactic strategies for postoperative atrial fibrillation- a survey of Canadian cardiac surgeons". National / International Canadian Cardiovascular Society Oct 2008, Quebec City, Canada.
* Senior Responsible Investigator
155. Chan V, Lortie M, Beanlands RS, DeKemp RA, Rubens FD, Suuronen EJ, DaSilva J, Sellke FW, Stewart DJ, Mesana TG, Ruel M. Abstracts and/or Papers Read. (2007). "Concomitant treatment with oral L-arginine improves the efficacy of surgical angiogenesis in patients with severe diffuse coronary artery disease: the endothelial modulation in angiogenic therapy (EMAT) randomized controlled trial". National / International Canadian Cardiovascular Congress Oct 2007, Quebec City, Canada.
154. Kulik A, Lam B, Rubens FD, Hendry PJ, Masters RG, Bedard P, Mesana TG, Ruel M. Abstracts and/or Papers Read. (2007). "Gender differences in long-term outcomes after valve replacement surgery". National / International Canadian Cardiovascular Congress Oct 2007, Quebec City, Canada.
153. (2007). "Multiple arterial grafting; How many? In whom? In what configuration?". National / International CCC Workshop: Updates in coronary revascularization Oct 2007, Quebec City, Canada.
152. Boodhwani M, Tao H, Ruel M, Bourke M, Mesana TG, Rubens FD. Abstracts and/or Papers Read. (2007). "Is bilateral internal thoracic artery use safe in the elderly?". National / International Canadian Cardiovascular Congress Oct 2007, Quebec City, Canada.
* Senior Responsible Investigator
151. Boodhwani M, Wozny D, Wells G, Nathan HJ, Mesana TG, Rubens FD. (2007). "The Cardiotomy Study: a randomized double-blind trial to assess the effect of shed blood processing on transfusion and neurocognitive function". National / International Canadian Cardiovascular Congress Oct 2007, Quebec City, Canada.
Senior Responsible Investigator
150. (2007). "Update on antiplatelet therapy before cardiac surgery". National / International CSCS Postgraduate Course Oct 2007, Quebec City, Canada.
149. Boodhwani M, Rubens FD, Wozny D, Rodriguez R, Nathan HJ. Abstracts and/or Papers Read. (2007). "Effects of sustained mild hypothermia on neurocognitive function following coronary artery bypass surgery: A randomized, double-blind study". National / International American Association of Thoracic Surgery Apr 2007, Canada.
148. (2007). "Outcomes after pulmonary thromboendarterectomy". National / International Canadian Pulmonary Hypertension Society Jan 2007, Toronto, Canada.
147. (2007). "Updates in surgery for chronic thromboembolic pulmonary hypertension". National / International Canadian Pulmonary Hypertension Society Jan 2007, Toronto, Canada.
146. (2007). "Updates in Surgery for Chronic Thromboembolic Pulmonary Hypertension". Provincial Department of Cardiology, McMaster University Jan 2007, Canada.
145. (2007). "Cardiac Surgery Research: Comic Opera or Drama?". Provincial Department of Cardiology, McMaster University Jan 2007, Canada.

144. F.D. Rubens, H. Nathan. (2007). "Lessons learned on the path to a healthier brain: dispelling the myths and challenging the hypotheses". Department of Cardiac Anesthesia Jan 2007, Canada.
143. Boodhwani M, Nathan HJ, Rubens FD on behalf of the Cardiotomy Investigators. Abstracts and/or Papers Read. (2007). "Processing of shed mediastinal blood improves cardiac and pulmonary function following cardiac surgery: a randomized, double-blind study". National / International Society of Thoracic Surgery Jan 2007, San Diego, Canada.
Senior Responsible Investigator
142. Chan V, Price J, Kulik A, Lam K, Rubens F, Hendry P, Masters P, Bedard P, Mesana T, Ruel M. Abstracts and/or Papers Read. (2006). "Very long-term survival implications of valve replacement with bioprostheses versus mechanical prostheses". American Heart Association Nov 2006, Chicago, United States.
141. Boodhwani M, Lam B-K, Nathan HJ, Mesana TG, Ruel M, Zeng W, Sellke FW, Rubens FD. (2006). "Skeletonized internal thoracic artery harvest reduces pain and dysesthesia and improves sternal perfusion following coronary artery bypass surgery: a randomized, double-blinded, within-patient comparison". American Heart Association Nov 2006, Chicago, United States.
Senior Responsible Investigator
140. Guru V, Tu JV, Etchells E, Anderson GM, Naylor CD, Novick RJ, Feindel CM, Rubens F, Teoh K, Mathur A, Hamilton A, Bonneau D, Cutrara C, Austin P, Fremes SE. (2006). "The limited value of all cause risk-adjusted mortality hospital report cards in measuring and improving quality of care". American Heart Association Nov 2006, Chicago, United States.
139. Kulik A, Masters RG, Bedard P, Hendry PJ, Lam B-K, Rubens FD, Mesana TG, Ruel M. Abstracts and/or Papers Read. (2006). "Aortic root enlargement reduces the incidence of prosthesis-patient mismatch and improves outcomes in patients with small aortic roots". American Heart Association Nov 2006, Chicago, United States.
138. Kulik A, Masters R, Bedard P, Hendry P, Lam K, Rubens FD, Mesana T, Ruel M. Abstracts and/or Papers Read. (2006). "Aortic root enlargement reduces incidence of prosthesis-patient mismatch and improves outcomes in patients with small aortic roots". CCS 2006, Vancouver, Canada.
137. Boodhwani M, Lam K, Mesana TG, Nathan H, Ruel M, Zeng W, Sellke FW, Rubens FD. (2006). "Skeletonized internal thoracic artery harvest reduces pain and dysesthesia and improves sternal perfusion following coronary artery bypass surgery: a randomized, double-blinded, within-patient comparison". CCS 2006, Vancouver, Canada.
Senior Responsible Investigator
136. A Kulik, RG Masters, P Bedard, PJ Hendry, BK Lam, FD Rubens, TG Mesana, M Ruel. Abstracts and/or Papers Read. (2006). "Aortic root enlargement reduces the incidence of prosthesis-patient mismatch and improves outcomes in patients with small aortic roots". Canadian Cardiovascular Society, Vancouver, Canada.
135. RA Rodriguez, HJ Nathan, F Rubens, M Ruel, K Lam, T Mesana. Abstracts and/or Papers Read. (2006). "Effects of breathing 100% oxygen on the doppler characteristics of cerebral embolic signals in mechanical heart valve (MHV) patients". Canadian Cardiovascular Society 2006, Vancouver, Canada.
134. A Kulik, FD Rubens, D Gunning, ME Bourke, TG Mesana, M Ruel. Abstracts and/or Papers Read. (2006). "Radial artery graft treatment with phenoxybenzamine is clinically safe and reduces perioperative myocardial injury". Canadian Cardiovascular Society 2006, Canada.
133. M Boodhwani, BK Lam, TG Mesana, M Ruel, W Zeng, FD Rubens. Abstracts and/or Papers Read. (2006). "Skeletonized internal thoracic artery harvest reduces pain and dysesthesia and improves sternal perfusion

following coronary artery bypass surgery: a randomized, double-blinded within-patient comparison". Canadian Cardiovascular Society 2006, Canada.

Senior Responsible Investigator

132. (2006). "Developments in Surgery at the Ottawa Heart Institute". Argus Medical, Ottawa, Canada.
131. (2006). "My friend, the pump". Ottawa Heart Institute Research Rounds, Apr 2006, Ottawa, Canada.
130. Rodriguez R, Rubens F, Nathan H, Ruel M, Lam K, Mesana T. Abstracts and/or Papers Read. (2006). "Effects of de-nitrogenation of blood on the transcranial doppler characteristics of embolic signals in mechanical valve patients". National / International 16th World Congress of the World Society of Cardiothoracic Surgeons Aug 2006, Ottawa, Canada.
129. Boodhwani M, Williams K, Babaev A, Gill G, Saleem N, Rubens F. Abstracts and/or Papers Read. (2006). "Ultrafiltration reduces blood transfusions following cardiac surgery: a meta-analysis". National / International 16th World Congress of the World Society of Cardiothoracic Surgeons Aug 2006, Ottawa, Canada.
128. (2006). "Options for minimizing neurologic injury during cardiac surgery". National / International 16th World Congress of the World Society of Cardiothoracic Surgeons Jan 2006, Ottawa, Canada.
127. Kotrec M, Lefevre I, Bedoya E, Ruel M, Bourke M, Mesana T, Rubens F. Abstracts and/or Papers Read. (2006). "The role of sildenafil in improving exercise capacity and reserve prior to pulmonary thromboendarterectomy in patients with chronic thromboembolic pulmonary hypertension". 16th World Congress of the World Society of Cardiothoracic Surgeons Aug 2006, Ottawa, Canada.
Senior Responsible Investigator
126. (2006). "The pulmonary thromboendarterectomy program: from inception to center of excellence". National / International 16th World Congress of the World Society of Cardiothoracic Surgeons Aug 2006, Ottawa, Canada.
125. (2006). "Cell Salvage. Hong Kong, China". National / International 2nd Asian NATA Symposium on Transfusion Medicine and Alternatives. Jan 2006, Hong Kong, China.
124. (2006). "The Ottawa PTE Program: From Inception to Center of Excellence". Local University of Ottawa Heart Institute Grand Rounds Jan 2006, Ottawa, Canada.
123. (2006). "The Cecilie Greig Memorial Lecture - Lessons learned on the path to a healthier brain: dispelling the myths and challenging the hypotheses". National / International Hammersmith Hospital, Imperial College Rounds Jan 2006, London, United Kingdom.
122. (2006). "Pump biomaterials and surface interactions". Local Brigham Department of Cardiac Surgery Rounds Jan 2006, Boston, United States.
121. (2005). "Pump biomaterials and surface interactions". Local Department of Cardiovascular and Thoracic Surgery Grand Rounds. University of Mainz Jan 2005, Mainz, Germany.
120. Kulik A, Lam BK, Rubens FD, Hendry PJ, Masters RG, Bedard P, Mesana TG, Ruel M. (2005). "Mid-life dilemma: mechanical versus bioprosthetic valve replacement in middle-aged patients". 3rd Biennial Meeting of the Society of Heart Valve Disease Oct 2005, United States.
119. Boodhwani M, Rubens FD, Sellke FW, Ruel M. (2005). "Mortality and myocardial infarction with surgical versus percutaneous therapy for isolated left anterior descending artery disease: a meta-analysis". CCS 2005, Canada.
118. Boodhwani M, Rubens FD, Wozny D, Rodriguez R, Hendry PJ, Nathan H. Abstracts and/or Papers Read. (2005). "Predictors of Neurocognitive Outcome Following Low-Risk On-pump Coronary Artery Bypass Surgery". AHA 2005, United States.
117. Boodhwani M, Rubens FD, Sellke FW, Ruel M. Abstracts and/or Papers Read. (2005). "Mortality and myocardial infarction with surgical versus percutaneous therapy for isolated left anterior descending

- artery disease: a meta-analysis". National / International European Association of Cardiothoracic Surgery Oct 2005, Spain.
116. Boodhwani M, Rubens FD, Sellke FW, Ruel M. (2005). "Surgical versus percutaneous treatment of isolated left anterior descending artery disease: a meta-analysis of randomized and observational studies". National / International CCS Oct 2005, Montreal, Canada.
 115. Kulik A, Lam BK, Rubens FD, Hendry PJ, Masters RG, Bedard P, Mesana TG, Ruel M. (2005). "Mid-life dilemma: mechanical versus bioprosthetic valve replacement in middle-aged patients". National / International CCS 2005, Montreal, Canada.
 114. Rodriguez R, Rubens FD, Belway D, Nathan HJ. Abstracts and/or Papers Read. (2005). "Retained air in the venous cannula increases cerebral embolization during onset of cardiopulmonary bypass". National / International CCS 2005, Montreal, Canada.
 113. Belway D, Rubens FD, Henley B, Babaev A, Mesana TG. Abstracts and/or Papers Read. (2005). "Hirudin inhibits thrombin generation and fibrinopeptide A formation during prolonged CPB. A case report". National / International Annual Pathophysiology & Techniques of Cardiopulmonary Bypass: San Diego Cardiothoracic Surgery Symposium, San Diego, United States.
 112. Miwa S, Desai ND, Cohen EA, Fremes SE on behalf of the Radial Artery Patency Study Investigators. Abstracts and/or Papers Read. (2005). "Anatomic and Multivariate Analysis of Thirty-One Cases of Radial Artery String Sign From the Multi-Center Radial Artery Patency Study". National / International Society of Thoracic Surgeons Meeting Jan 2005, Tampa, United States.
 111. Desai ND, Cohen EA, Fremes SE on behalf of the Radial Artery Patency Study Investigators. (2005). "Complications following radial artery harvest: Analysis from a randomized controlled clinical trial". National / International International Society of Minimally Invasive Cardiac Surgery Annual Meeting Jan 2005, New York, United States.
 110. Belway D, Rubens FD, Wozny D, Henley B, Nathan HJ. Abstracts and/or Papers Read. (2005). "Are we doing everything we can to conserve blood during bypass? A national survey". National / International Annual Pathophysiology & Techniques of Cardiopulmonary Bypass: San Diego Cardiothoracic Surgery Symposium Jan 2005, San Diego, United States.
 109. Kulik A, Rubens FD, Baird D, Mesana TG, Lam BK. Abstracts and/or Papers Read. (2005). "Early postoperative anticoagulation following mechanical valve replacement. A Canadian survey". National / International 3rd Biennial Meeting of the Society for Heart Valve Disease Jun 2005, Vancouver, Canada.
 108. (2005). "Non-pharmacologic strategies for blood conservation in cardiac surgery". National / International First congress of the Croatian Society or the Advancement of Bloodless Medicine Jan 2005, Zagreb, Croatia.
 107. (2005). "Pump biomaterials and surface interactions". New Era Cardiac Care: Innovation and Technology Jan 2005, Laguna Niguel, United States.
 106. Desai ND, Cohen EA, Fremes SE on behalf of the Radial Artery Patency Study Investigators. Abstracts and/or Papers Read. (2005). "The Effect of Gender on Saphenous Vein Graft Patency: Analysis from a Randomized Clinical Trial". National / International American Heart Association Second International Conference on Heart Disease and Stroke, Jan 2005, Orlando, United States.
 105. Desai ND, Cohen EA, Naylor CD, Fremes SE on behalf of the Radial Artery Patency Study Investigators. Abstracts and/or Papers Read. (2004). "Competitive Flow Compromises Patency Of Radial Artery Coronary Bypass Grafts: Angiographic Analysis From A Multinational Randomized Controlled Clinical Trial". EACTS 2004, Leipzig, Germany.
 104. Desai ND, Miwa S, Cohen EA, Schwartz L, Dubbin J, Radhakrishnan S, Fremes SE, On Behalf of the RAPS Investigators. Abstracts and/or Papers Read. (2004). "Competitive Flow Compromises Patency of Radial

- Artery Coronary Bypass Grafts". National / International American Heart Association Scientific Sessions, 2004, New Orleans, United States.
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